AMENDMENTS TO THE SPECIFICATION

Page 3, please replace the third full paragraph with the following amended paragraph:

A fuller explanation of the invention is given in the following description, based on the figures attached, in which:

-        figure 1 shows, in a block diagram, a preferred embodiment of a radiocommunication system according to the invention,

-        figure 2 shows the probability distribution function at an initial instant, according to the invention, ~~and~~

-        figure 3 shows the probability distribution function at an instant other than the initial instant according to the invention; and

-        figure 4 shows a flowchart of a method according to an exemplary embodiment of the invention.

Please replace the paragraph bridging pages 3 and 4 with the following amended paragraph:

During normal operation of the system, when remote unit 14 has at least one data packet to transmit, it transmits to fixed unit 11 an access request, with the object that fixed unit 11 allocates an available carrier frequency to the communication that it is wished to initiate (S10 of Figure 4).

Page 4, please replace the third full paragraph with the following amended paragraph:

As the transmission progresses, fixed unit 11 is capable of registering events that occur during the time that the communication is in course on the aforementioned frequency f1, such as number of errors that are produced, number of retransmissions or the like (S20 of Figure 4).

Page 4, please replace the fourth full paragraph with the following amended paragraph:

With said information, fixed unit 11 is capable of establishing a weighting for each of the predetermined parameters, for the purpose of changing the probability of frequency f1 or other frequencies on which the communication takes place (S30 of Figure 4).

Page 4, please replace the fifth full paragraph with the following amended paragraph:

Thus, when fixed unit 11 has to make a frequency ~~hope~~ hop, that is, allocate another carrier frequency, it selects that frequency which has the highest probability, since it has a lower level of interference, fewer retransmissions, better C/I signal quality or the like (S40 of Figure 4).

Please delete the present Abstract of the Disclosure.

Please add the following new Abstract of the Disclosure:

System that allocates a carrier frequency to a radio link, for transmitting data bursts between a remote unit and a fixed unit, by employing orthogonal frequency division multiplexing OFDM. The fixed unit records a predetermined number of parameters relative to the communication in course, for the purpose of weighting said parameters, such as number of errors in the radio link and number of retransmissions or the like, and allocates to these parameters a probability level. The fixed unit allocates a probability level to each carrier frequency, so that it responds to a communication set-up request allocating the carrier frequency with the highest probability.